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Inventor: Brett D. SHOELSON
Title of Invention: System and Method for
the Analysis of Atomic Force Microscopy
Data
Attorney Docket No.: 31978-198060
VENABLE

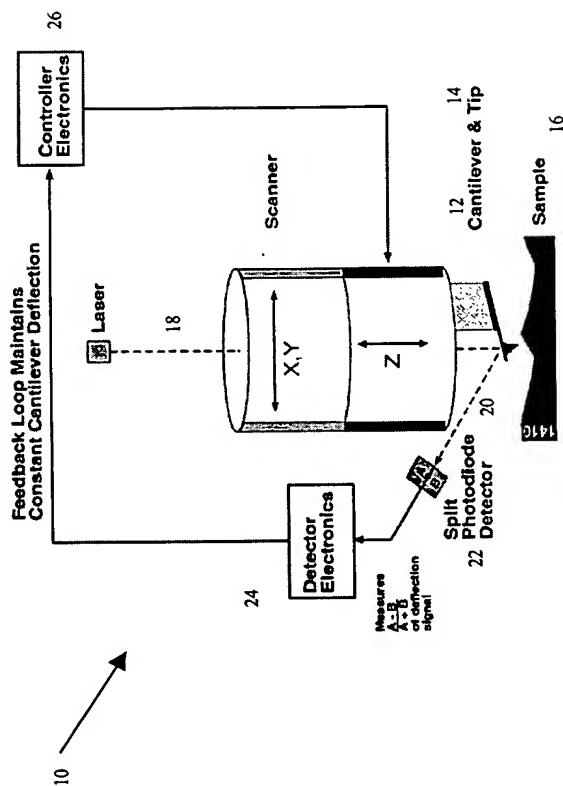


FIG. 1

FIG. 2

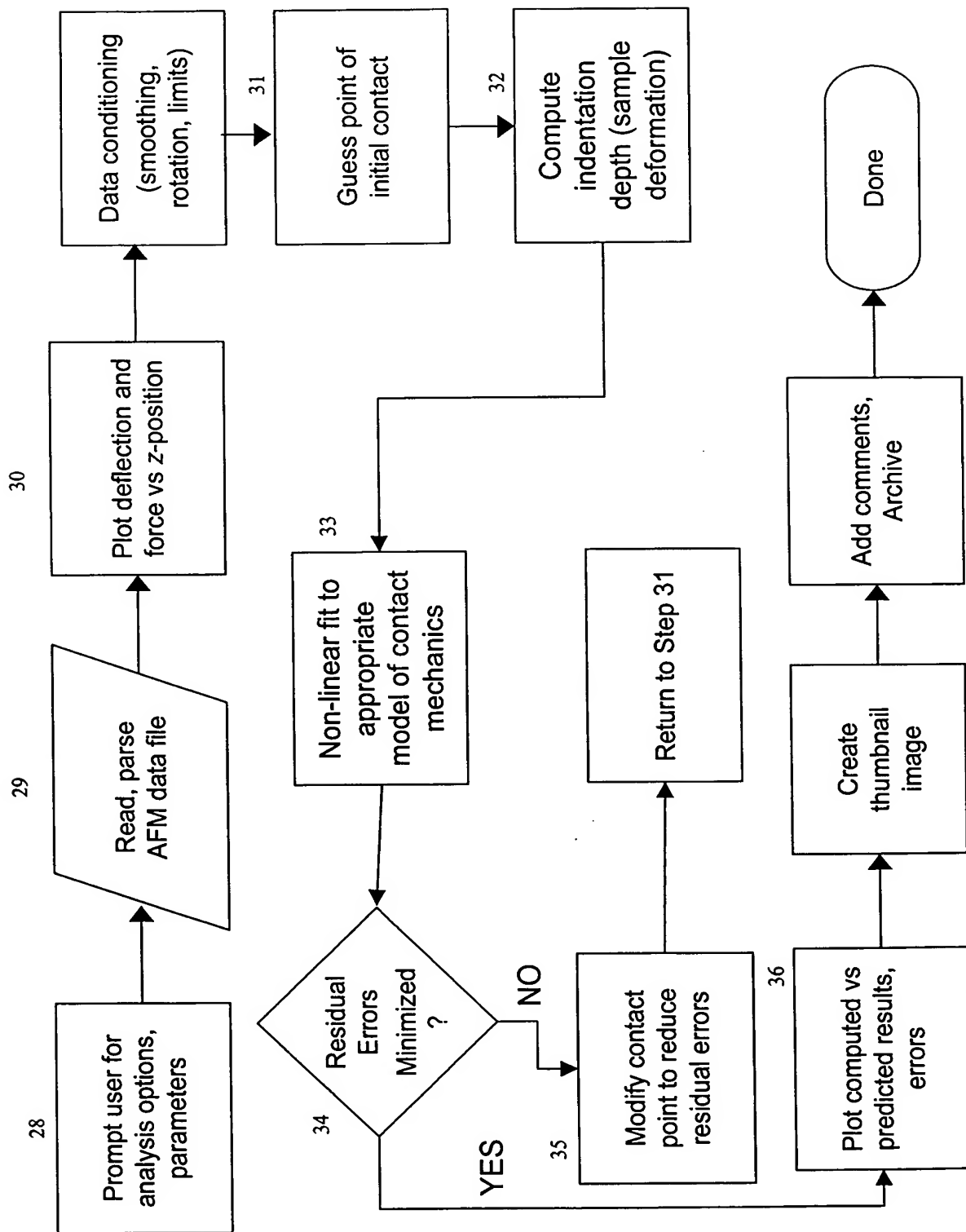


FIG. 3

37

AFM Analyze Options

38 Force-Distance Curve Analysis 39 Force-Volume Analysis 40 Lateral Force Analysis

File Extension:

☐ Show all files

☐ Show only .txt files

☐ Show only .asc files

☐ Other files

Tip Type

☒ Pyramidal Cantilever Tip

☐ Spherical Cantilever Tip

☐ Conical Cantilever Tip

Cantilever Parameters

Vertex inclination (deg)	35
Tip Radius (microns)	4.0
Conical Half-Angle (deg)	18

☒ Close All Figures

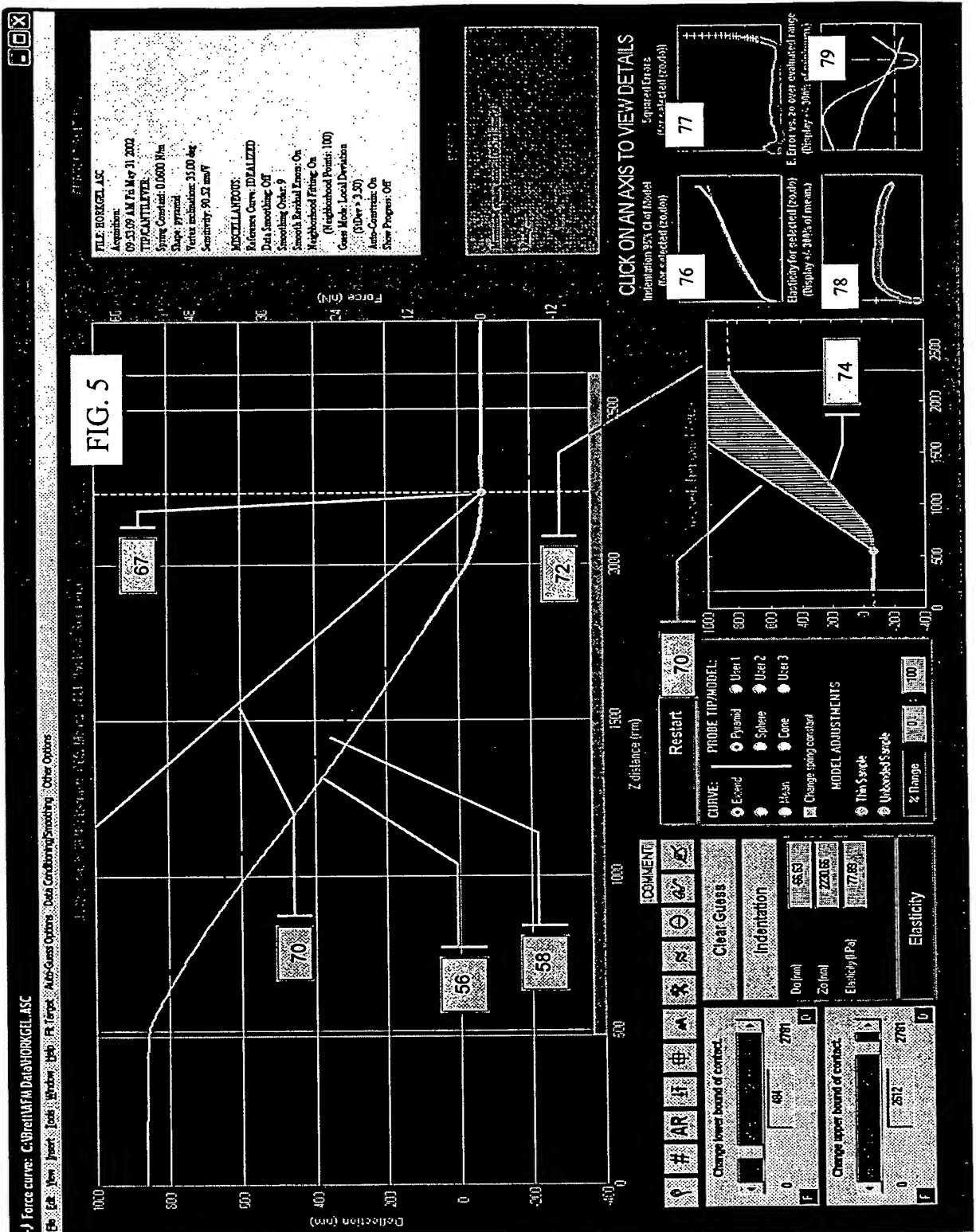
Manufacture: DIWaco 42

Software Version: 4.3x/4.4x 44

Start search in: C:\Brett\AFM Data

CONTINUE... 51

CANCEL

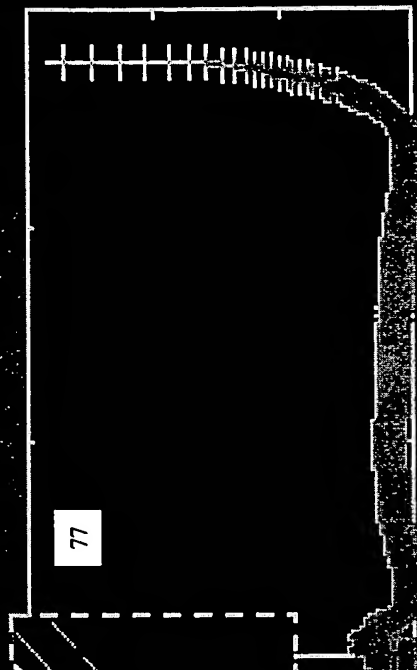
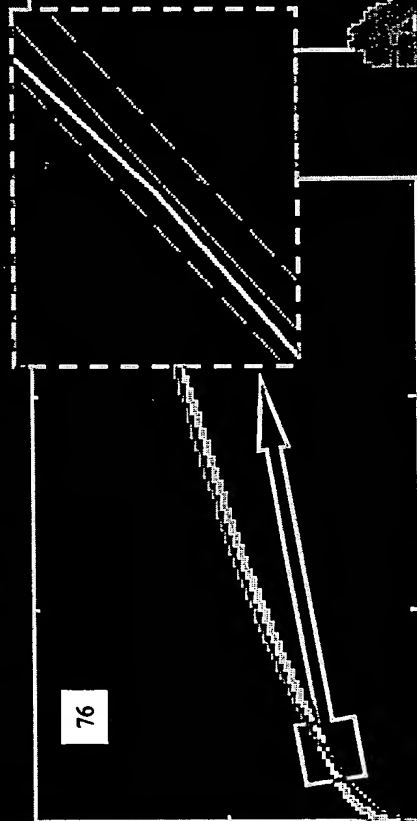


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CLICK ON AN AXIS TO VIEW DETAILS

Initiation: 95% CI of Model
(for selected (zo,dlo))

Squared Errors
(for selected (zo,dlo))



Elasticity for selected (zo,dlo)
(Display +/- 300% of mean.)

E, Error vs. zo over evaluated range
(Display +/- 300% of minimum.)

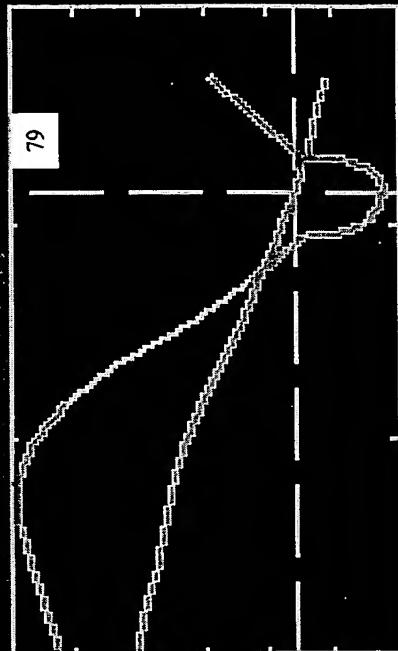
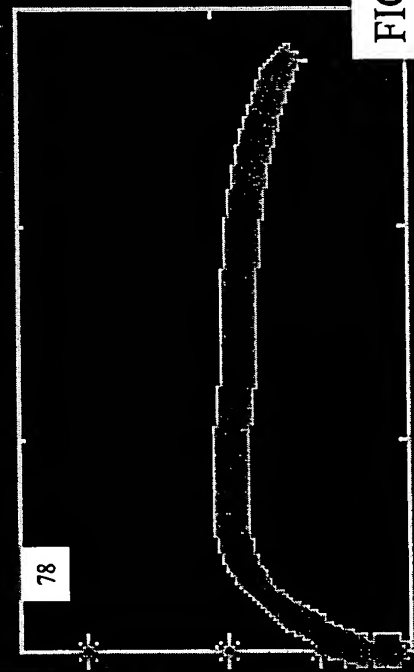
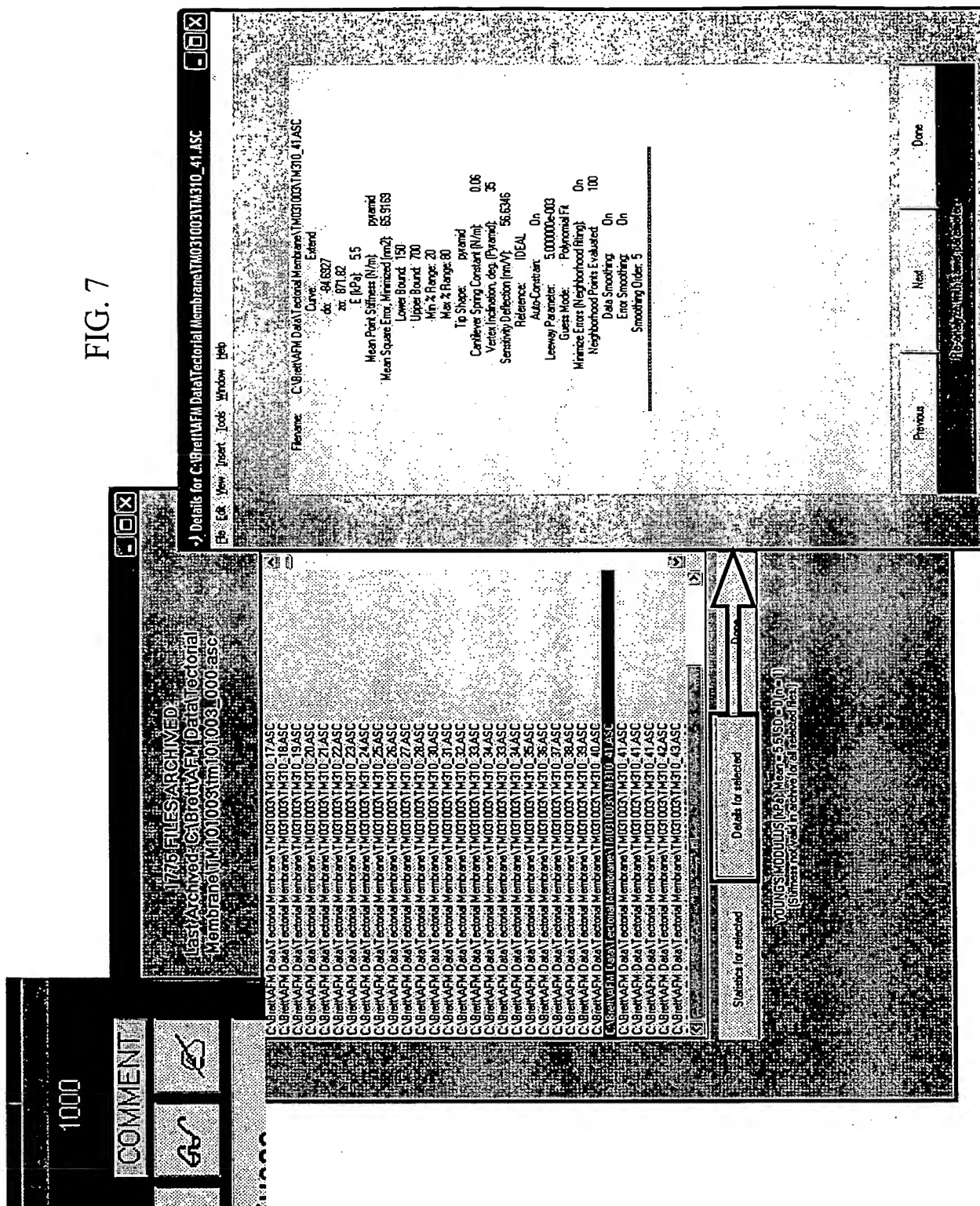


FIG. 6

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FIG. 7



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